

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. **(Currently Amended)** A surface-treated steel sheet for a battery case, comprising:

a steel sheet; and

a nickel-phosphorus alloy plating layer formed on its surface which defines the inner surface of the battery case,

wherein

the nickel-phosphorous alloy plating layer contains 5 to 70% by weight of cobalt, and

the nickel-phosphorus alloy plating layer has a thickness in the range of 0.1 to 2 μm .

2. **(Currently Amended)** A surface-treated steel sheet for a battery case, according to claim 1, further comprising a nickel plating layer formed between the steel sheet and at the nickel-phosphorus alloy plating layer;

wherein

a thickness of the nickel plating layer is in the range of 0.5 to 3 μ m
on a surface supposed to define the inner surface of the battery case.

3. **(Previously Presented)** A surface-treated steel sheet for a battery case according to claim 1, further comprising an iron-nickel diffusion layer formed between the steel sheet and the nickel- phosphorus alloy plating layer.

4. **(Previously Presented)** A surface-treated steel sheet for a battery case according to claim 1, further comprising an iron-nickel diffusion layer and a nickel layer formed between the steel sheet and the nickel- phosphorus alloy plating layer; wherein the iron-nickel diffusion layer is formed as an under layer, and the nickel layer is formed as an intermediate layer.

5. **(Cancelled)**

6. **(Previously Presented)** A surface-treated steel sheet for a battery case as set forth in claim 1, wherein the nickel-phosphorus alloy plating layer has a phosphorus content in the range of 1 to 12% by weight.

7. **(Cancelled)**

8. **(Previously Presented)** A battery case comprising a nickel- phosphorus alloy plating layer formed on its inner surface, wherein the nickel- phosphorus alloy plating layer contains 5 to 70% by weight of cobalt.

9. **(Currently Amended)** A battery case characterized by having according to claim 8, further comprising a nickel plating layer formed as an under layer and awherein the nickel-phosphorus alloy plating layer formed as forms a top layer on its inner surface.

10. **(Currently Amended)** A battery case according to claim 8, further comprising an iron-nickel diffusion layer formed as an under layer and awherein the nickel-phosphorus alloy plating layer formed as a top layer on its inner surface.

11. **(Currently Amended)** A battery case according to claim 8, further comprising an iron-nickel diffusion layer formed as an under layer, a nickel layer as an intermediate layer and awherein the nickel-phosphorus alloy plating layer forms formed as a top layer on its inner surface.

12. **(Previously Presented)** A battery case as set forth in claim 8, wherein the nickel-phosphorus alloy plating layer has a phosphorus content in the range of 1 to 12% by weight.

13. **(Cancelled)**

14. **(Currently Amended)** A battery case manufactured as set forth in claim 8, and formed by a deep drawing, DI or DTR method of the surface-treated steel sheet according to claim 1.

15. **(Currently Amended)** A battery comprising the
characterized by employing a battery case as set forth in claim 8, with cathode
active materials packed in the battery case and anode active materials packed in
the battery case and packing its interior with cathode and anode active
materials.

16. **(New)** A surface-treated steel sheet for a battery case according
to claim 1, further comprising a nickel plating layer over the steel sheet on the
side supposed to define outer surface of the battery case, wherein a thickness of
outer surface of the battery case, wherein a thickness of the nickel plating layer is
in the range of 0.2 to 3 μ m.